

INTRODUCTION TO HEALTH CARE SYSTEMS

DOE #5272

CIP Code: 51.0999 Allied Health Diagnostic, Intervention, and Treatment Professions,
Other

Introduction to Health Care Systems introduces students to various aspects of the health care industry. Students have the opportunity to explore a number of health related disciplines, learn associated entry level skills, and compare the educational requirements, credentialing and job opportunities of each with their personal abilities and interests as a means to making informed career choices. Varied instructional strategies and technologies are used to introduce medical terminology, anatomy and physiology, content of the Indiana Health Science Education Curriculum and health concepts found in the health and safety courses; with emphasis on a healthy lifestyle, wellness, health maintenance, and disease prevention. The students are also introduced to the health specific career and technical student youth organization, HOSA. Successful completion of this course provides students with CPR/First Aid Certification.

- Recommended Grade Level: 9-12
- Required Prerequisite: None
- Recommended Prerequisite: Biology, Mathematics
- Credits: A one or two-semester course, one or two credits per semester
- A Core 40, Core 40 with Academic Honors, and Core 40 with Technical Honors diploma directed elective course
- A Career Academic Sequence, Career-Technical program, or Flex Credit course
- Academic content standards:
http://www.doe.state.in.us/octe/health/hce/health_care_systems.pdf
- Curriculum Framework:
http://www.doe.state.in.us/octe/health/hce/health_care_systems.pdf
- Teacher Requirements: <http://doe.state.in.us/dps/licensing/assignmentcode>
- Funding: State Additional Pupil Count (APC) vocational funding available if taught by CTE licensed Health Sciences teacher

Content Standards and Competencies

1. HEALTH CARE INDUSTRY: DESCRIBE THE COMPONENTS OF THE HEALTH CARE SYSTEM.

- 1.1. Describe the purpose and functions of the health care industry.
- 1.2. Name the various types of health care facilities.
- 1.3. Describe the many disciplines within the health care system.
- 1.4. Differentiate between the various types of health care providers.
- 1.5. Explain the purpose of a chain of command within a health discipline.

2. CAREER OPTIONS: LIST POSSIBLE CAREER OPPORTUNITIES IN THE HEALTH FIELD.

- 2.1. Describe current employment opportunities in health care.
- 2.2. Identify educational requirements of various health careers.

3. PROFESSIONALISM: DESCRIBE WHAT IT MEANS TO BE A PROFESSIONAL HEALTH CARE PROVIDER.

- 3.1. Differentiate between on-the-job training, certification, and licensure.
- 3.2. Define professional behavior.
- 3.3. Define scope of practice.
- 3.4. Identify the Patient Bill of Rights.
- 3.5. Describe the Code of Ethics for health care providers.
- 3.6. Explain what it means to be a member of a health care team.

4. MEDICAL TERMINOLOGY: DEFINE, SPELL, AND PRONOUNCE COMMONLY USED MEDICAL TERMS.

- 4.1. Locate the meaning of medical terms and abbreviations in the Tabor's Medical Dictionary.
- 4.2. Define, spell, and pronounce medical terms related to each body system.
- 4.3. Interpret commonly used medical abbreviations.

5. HEALTHY LIFESTYLE: DESCRIBE THE COMPONENTS OF A HEALTHY LIFESTYLE.

- 5.1. Explain the Wellness Continuum.
- 5.2. Define treatment regime, disease prevention, and holistic health care.
- 5.3. Describe the steps of critical thinking and decision making.
- 5.4. Interpret the significance of data in personal physical and dental health records.
- 5.5. Describe the use of the food pyramid in establishing healthy eating habits.
- 5.6. Develop a personal plan for a healthy, safe, and drug free lifestyle.
- 5.7. Develop a personal schedule of daily activities that includes safety practices.
- 5.8. Perform warm-up and cool down exercises as part of a personal fitness program.
- 5.9. Maintain good grooming and personal hygiene.

6. FAMILY/SOCIAL HEALTH: DESCRIBE THE IMPORTANCE OF ESTABLISHING HEALTHFUL FAMILY AND SOCIAL RELATIONSHIPS.

- 6.1. Identify the various stages of growth and development.
- 6.2. Describe the developmental tasks of adolescence.
- 6.3. Identify the responsibilities of adulthood.
- 6.4. Explain the importance of developing effective communication skills.
- 6.5. Relate personal values to social behavior.
- 6.6. Describe the health and safety factors associated with the use of tobacco, alcohol, illegal drugs, and sexual activity.

7. ENVIRONMENTAL HEALTH: DESCRIBE THE IMPORTANCE OF A CLEAN ENVIRONMENT.

- 7.1. Compare the purpose and functions of OSHA and the EPA.
- 7.2. Describe various methods of recycling and disposing of waste materials.

- 7.3. Describe ways of protecting the environment.
- 7.4. Participate as a volunteer in a community environmental project.

8. SYSTEMS OF THE HUMAN BODY: DESCRIBE THE STRUCTURE AND FUNCTION OF EACH BODY SYSTEM.

- 8.1. Name and locate the bones of the body.
- 8.2. Name body planes, body cavities, and joints.
- 8.3. Use body directional terms effectively.
- 8.4. Name the organs of each system and describe their functions.
- 8.5. Name common diseases/disorders of each of the systems.
- 8.6. Relate high risk behaviors to body systems and their functions.
- 8.7. Associate routine diagnostic procedures and treatments to common diseases/disorders.

9. THE DISEASE PROCESS: DESCRIBE BEHAVIORS THAT REDUCE RISKS OF INFECTIOUS DISEASES.

- 9.1. Diagram and explain the infectious disease process.
- 9.2. Name disease causing microorganisms.
- 9.3. Describe universal precaution measures.
- 9.4. Explain the importance of isolation and isolation technique.
- 9.5. Describe common signs/symptoms of infectious diseases.
- 9.6. Relate the disease process to personal health habits.
- 9.7. Name the tests and preventive measures that are required of all health care providers.

10. TECHNICAL SKILLS: DEMONSTRATE COMPETENCY IN BASIC TECHNICAL SKILLS.

- 10.1. Wash hands for medical asepsis.
- 10.2. Serve and feed a helpless patient.
- 10.3. Measure, compute, and document oral intake.
- 10.4. Convert measurements from the English to the metric system.
- 10.5. Measure the height and weight of an individual.
- 10.6. Demonstrate the use of proper body mechanics.
- 10.7. Transfer a patient from a bed to a wheelchair.
- 10.8. Transport a patient by wheelchair and stretcher.
- 10.9. Measure and record vital signs.
- 10.10. Test urine for glucose using reagent strips.
- 10.11. Measure and record urinary output.
- 10.12. Perform CPR/FIRST AID.